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Dated: 8-19-04 Signature: Maura A. Gallagher
(Maura A. Gallagher)

Docket No.: SION-P02-006
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Miller et al.

Application No.: 10/824674

Confirmation No.: 8081

Filed: April 14, 2004

Art Unit: 2853

For: PANCAKE SPECTROMETER

Examiner: Not Yet Assigned

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached with the exception of the U.S. Patent references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,


publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. SION-P02-006. A duplicate copy of this paper is enclosed.

Dated: August 19, 2004

Respectfully submitted,

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PTO/SB/08a/b (08-03)
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/824674	
			Filing Date	April 14, 2004	
			First Named Inventor	Raanan A. Miller	
			Art Unit	2853	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	SION-P02-006

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		2,615,135	10/21/52	Glenn, Jr., W.E.	
		2,818,507	12/31/57	Britten, R.J.	
		2,919,348	12/29/59	A. Bierman	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	WO 01/08197 A1	02/01/01	The Charles Stark Draper Lab		

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Sheet	2	of	3	Attorney Docket Number	SION-P02-006

	B2	WO 01/22049 A2	03/29/01	Haley, L., et al.		
	B3	WO 01/35441 A1	05/17/01	The Charles Stark Draper Lab		
	B4	WO 01/69220 A2	09/20/01	National Research Council Canada		
	B5	WO 01/69647 A2	09/20/01	National Research Council Canada		
	B6	WO 02/071053 A2	09/12/02	The Charles Stark Draper Lab		
	B7	WO 02/083276 A1	10/24/02	The Charles Stark Draper Lab		
	B8	WO 03/005016 A1	1/16/03	Sionex Corporation		
	B9	WO 03/015120 A1	2/20/03	Sionex Corporation		

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	C1	"A Micromachined Field Driven Radio Frequency-Ion Mobility Spectrometer for Trace Level Chemical Detection," A Draper Laboratory Proposal Against the "Advanced Cross-Enterprise Technology Development for NASA Missions," Solicitation, NASA NRA 99-OSS-05.			
	C2	BARNETT, D.A. et al., "Isotope Separation Using High-Field Asymmetric Waveform Ion Mobility Spectrometry," Nuclear Instruments & Methods in Physics Research (2000), pp 179-185, 450(1).			
	C3	BASILE, F., "A Gas Sample Pre-concentration Device Based on Solid Phase Microextraction (SPME) and Temperature Programmed Desorption (TPD)," Instrumentation Sci. Tech., (2003), pp 155-164, 31(2).			
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	C5	DEMIREV, P.A., et al., "Microorganism Identification by Mass Spectrometry and Protein Database Searches, (1999), pp 2732-2738, 74(14).			
	C6	DEMIREV, P.A., et al., "Tandem Mass Spectrometry of Intact Proteins for Characterization of Biomarkers from Bacillus cereus T spores, " Analytical Chem., (2001), pp 5725-5731, 73(23).			
	C7	EICEMAN, G.A., et al., "Miniature radio-frequency mobility analyzer as a gas chromatographic detector for oxygen-containing volatile organic compounds, pheromones, and other insect attractants," J. Chromatography, (2001), pp 205-217, 917.			
	C8	ELHANY, E., et al., "Detection of Specific Bacillus anthracis Spore Biomarkers by Matrix-Assisted Laser Desorption / Ionization Time-Of-Flight Mass Spectrometry," Rapid Commun. Mass. Spectrom., (2001), pp 2110-2116, 15(22).			
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		Field Asymmetric Waveform Ion Mobility Spectrometry Mass Spectrometry," Journal of Chemical Physics, (2001), pp 10270-10277, 114(23).	
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	C13	JAVAHERY, G. et al., "A Segmented Radiofrequency-Only Quadrupole Collision Cell for Measurements of Ion Collision Cross Section on a Triple Quadrupole," Mass Spectrometer, J. Am. Soc. Mass. Spectrom., (1997), pp 697-702, 8.	
	C14	KRISHNAMURTHY, T., et al., "Liquid Chromatography/Microspray Mass Spectrometry for Bacterial Investigations," (1999), pp 39-49, 13.	
	C15	KRYLOV, E.V., "A Method of Reducing Diffusion Losses in a Drift Spectrometer," Technical Physics, (1999), pp 113-16, 4d(1).	
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	C17	MILLER, R.A. et al., "A MEMS Radio-Frequency Ion Mobility Spectrometer for Chemical Agent Detection," (June 2000) Proceedings of the 2000 Solid State Sensors and Actuators Workshop, Hilton Head, SC.	
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	C20	MOWRY, C., et al., "Rapid Detection of Bacteria with Miniaturized Pyrolysis-Gas Chromatographic Analysis," Proc. Of SPIE, (2001), pp 83-90, 475.	
	C21	PHILLIPS, M., "Breath tests in medicine," Scientific American, (1992), pp 74-79, 267(1)	
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	C23	PILZECKER, P. et al., "On-Site Investigations of Gas Insulated Substations Using Ion Mobility Spectrometry for Remote Sensing of SF6 Decomposition," IEEE, (2000), pp 400-403.	
	C24	RIEGNER, D.E. et al., "Qualitative Evaluation of Field Ion Spectrometry for Chemical Warfare Agent Detection," Proceedings of the ASMS Conference on Mass Spectrometry and Allied Topics (June, 1997), pp 473A-473B.	
	C25	SCHNEIDER, A. et al., "High Sensitivity GC-FIS for Simultaneous Detection of Chemical Warfare Agents Mine," Safety Appliances Co., Pittsburgh, PA, USA, (2000), AT-Process, pp 124-136, 5(3,4), CODEN: APJCFR ISSN: 1077-419X..	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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